

# Human CA13 Recombinant Protein



RPPB1467

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## Product Information    Protein Information

**Product SKU:**

RPPB1467

**Accession:**

Q8N1Q1

**Host:**

Escherichia Coli.

**Protein description:**

CA13 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 285 amino acids (1-262a.a) and having a molecular mass of 31.8kDa.CA13 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered clear solution.

**Synonyms:**

Carbonic Anhydrase XIII, Carbonate Dehydratase XIII, EC 4.2.1.1, CA-XIII, Carbonic, Anhydrase 13, CAXIII.

**Formulation:**

CA13 protein solution (0.5mg/ml) containing Phosphate buffered saline (pH7.4),10% glycerol and 1mM DTT.

**Purity:**

Greater than 90.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MGSSHHHHHH SGLVPRGSP MGSMSRLSWG YREHNGPIHW KEFFPIADGD QQSPIEIKTK EVKYDSSLRP  
LSIKYDPSSA KIISNSGHSF NVDFDDTENK SVLRGGPLTG SYRLRQVHLH WGSADHDGSE HIVDGVSYAA  
ELHVVHWNSD KYPSEVEAAH EPDGLAVLGV FLQIGEPNSQ LQKITDTLDS IKEKGKQTRF TNFDLLSLLP  
PSWDYWTYPG SLTVPLLES VTWIVLKQPI NISSQQLAKF RSLCTAEGE AAAFLVSNHR PPQPLKGRKV RASFH.

**Biological Activity:**

Specific activity is > 2,500 pmol/min/ug, and is defined as the amount of enzyme that hydrolyze 1.0 pmole of 4-nitrophenyl acetate to 4-nitrophenol per minute at pH 7.5 at 37C.